Tenths and Hundredths in Decimal Numbers

Purpose:
The purpose of this activity is to help your child to learn the number of tenths and hundredths in decimal numbers.

Link to the Number Framework:
Place value, Stage 6

What you need:
Tape measure
Pencil and paper

What to do:
Help your child to find the heights or lengths of objects around the home using a tape measure.
Record the objects height or length using metres and centimetres.
For example

Object	Height	Number of tenths	Number of hundredths
Bench	1.25m		

Check your child understands 10cm is a tenth of a metre.
Using the table look at the height of an object and ask your child:

- *how many tenths are in the number?*

Your child can check this by using the tape measure to count the number of 10cm in the length by counting in tens 10, 20, 30 etc
Ask your child:

- *how many hundredths are in the number?*

Again your child can check by using the tape measure to see how many centimeters are in the length.
Once they have done a couple of examples using the tape measure encourage them to use the table and to look at the pattern. There are 10 tenths in a whole, and 100 hundredths in a whole.

What to expect your child to do:

- Your child should be able to say how many tenths and hundredths are in decimal numbers.

Variations:
Decimal numbers can also be found by measuring the weight of objects on kitchen scales and recording these as kilograms and grams.

He Kupu Māori:

tenths	hautekau
hundredths	haurau
metre	mita
centimetre	mitarau (henemita)
chart	tūtohi
1.25	kotahi ira rua rima

Kia Mataara:
Be careful with the correct way of saying numbers with two and three decimal places. 0.25 is not said as ‘kore ita rua tekau mā rima *(zero point twenty five)’* because saying rua tekau *(twenty)* is incorrect, misleading and confusing. The correct way of saying it is to say each individual digit: ‘kore ira rua rima *(zero point two five).*

Te mea hei ine	teitei	te maha o ngā hautekau	te maha o ngā haurau
wāhi mahi	1.25m		